

# UTAH

## Science and Engineering Profile

	Utah	U.S.	Rank		Utah	U.S.	Rank
Doctoral scientists, 1993	3,509	430,332	33	Total R&D performance, 1993 (millions)	\$753	\$161,427	30
Doctoral engineers, 1993	809	81,293	29	Industry R&D, 1993 (millions)	\$411	\$117,622	31
S&E doctorates awarded, 1995	279	26,482	28	Academic R&D, 1994 (millions)	\$201	\$20,573	28
of which, in engineering	30%	23%		of which, in life sciences	46%	55%	
in psychology	19%	13%		in engineering	24%	16%	
in physical sciences	17%	14%		in environmental sciences	10%	7%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	219	36,143	31	expenditures, 1993 (millions)	\$1,629	\$163,994	31
S&E graduate students, 1994				Number of SBIR awards, 1990-94	245	18,023	20
in doctorate-granting institutions	4,830	438,694	29	Patents issued to state residents, 1995	508	55,717	25
Population, 1995 (000s)	1,951	262,755	34	Gross state product, 1992 (billions)	\$35.6	\$5,994.1	37
Civilian labor force, 1995 (000s)	971	132,281	34	of which, agriculture	2%	2%	
Personal income per capita, 1995	\$18,223	\$22,788	46	manufacturing, mining, construction	23%	23%	
Federal spending				transportation, communication, utilities	10%	9%	
Total expenditures, 1995 (millions)	\$8,526	\$1,326,294	37	wholesale and retail trade	16%	16%	
R&D obligations, 1994 (millions)	\$326	\$65,654	29	finance, insurance, real estate	15%	18%	
				services	19%	20%	
				government	15%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

### Federal Obligations for Research and Development in Utah by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	325,650	95,844	0	96,878	125,920	5,630	1,378	29
<b>Department of Agriculture</b>	14,142	8,802	0	0	5,337	0	3	35
<b>Department of Commerce</b>	1,716	0	0	1,261	205	0	250	32
<b>Department of Defense</b>	178,524	75,628	0	68,518	34,378	0	0	24
<b>Department of Energy</b>	9,662	0	0	879	4,483	4,300	0	34
<b>Dept. of Health &amp; Human Services</b>	62,116	0	0	3,415	56,905	1,330	466	28
<b>Department of the Interior</b>	12,779	11,414	0	387	978	0	0	15
<b>Department of Transportation</b>	14,452	0	0	12,858	935	0	659	10
<b>Environmental Protection Agency</b>	0	0	0	0	0	0	0	na
<b>Nat'l Aeronautics &amp; Space Admin.</b>	13,448	0	0	8,986	4,462	0	0	26
<b>National Science Foundation</b>	18,811	0	0	574	18,237	0	0	25
<b>State rank</b>	29	24	na	28	28	34	43	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.